



IN THE CLAIMS:

1. (Original) A cap for blocking the opening of a hollow fusion device defining a thru-hole, comprising:

an occlusion body sized and shaped for blocking the opening; and
an elongate anchor projecting from said occlusion body, said anchor including a first end attached to said occlusion body and an opposite second end having a lip for engaging the thru-hole, said anchor having a length which reaches from said occlusion body to the thru-hole when the cap is inserted into the opening and said lip is engaged to said thru-hole.

2. (Original) The cap of claim 1 further comprising a flange projecting from a perimeter of said occlusion body.

Claims 3-60 (cancelled)

61. (New) The cap of claim 1, wherein said occlusion body includes osteogenic apertures, said apertures sized to permit bone ingrowth and protein ingress.

62. (New) The cap of claim 61, wherein said occlusion body includes:

an inner surface opposite an outer wall; and
a rim in communication with said outer wall and said inner surface, said rim defining an engaging surface for contacting the opening of the hollow fusion device.

63. (New) The cap of claim 62, wherein said first end of said elongate anchor extends from said rim.

64. (New) The cap of claim 63, further comprising a flange projecting from a perimeter of said occlusion body.

65. (New) The cap of claim 62, wherein said outer wall is flat.
66. (New) The cap of claim 1, further comprising a second elongate anchor projecting from said occlusion body, said elongate anchors extending transversely to said occlusion body and generally parallel to one another, said elongate anchors further each including an outwardly facing lip having a curved profile.
67. (New) The cap of claim 66, wherein said elongate anchors are resiliently moveable relative to said occlusion body.
68. (New) The cap of claim 1, wherein the cap is composed of a biocompatible polymer.
69. (New) The cap of claim 68, wherein said polymer is biodegradable.
70. (New) The cap of claim 1, wherein said occlusion body is composed of a porous material.
71. (New) The cap of claim 70, wherein said occlusion body defines an internally threaded tool engagement opening.
72. (New) The cap of claim 1, wherein said lip includes a curved profile.
73. (New) The cap of claim 1, wherein said occlusion body lies in a plane and said elongate anchor extends transversely to the plane.
74. (New) The cap of claim 73, wherein said occlusion body includes at least one osteogenic opening extending therethrough.
75. (New) A cap for blocking the opening of a hollow fusion device, comprising:

an occlusion body sized and shaped for blocking the opening, said occlusion body including a flat outer wall lying in a plane; and

an elongate anchor projecting from said occlusion body in a direction transverse to the plane, said anchor including a first end attached to said occlusion body and an opposite second end, said anchor having a length which extends from said occlusion body to the second end, wherein said second end engages the fusion device at a location spaced from the plane.

76. (New) The cap of claim 75, wherein said occlusion body defines at least one osteogenic aperture to permit bone growth through said occlusion body.

77. (New) The cap of claim 75, wherein said occlusion body includes:

an inner surface opposite said outer wall; and
a rim in communication with said outer wall and said inner surface, said rim defining an engaging surface for contacting the opening of the hollow fusion device.

78. (New) The cap of claim 77, wherein said first end of said elongate anchor is attached to said rim.

79. (New) The cap of claim 78, further comprising a flange projecting from a perimeter of said occlusion body.

80. (New) The cap of claim 75, further comprising a second elongate anchor projecting from said occlusion body in a direction transverse to the plane and parallel to the other elongate anchor.

81. (New) The cap of claim 80, wherein said elongate anchors are resiliently moveable relative to said occlusion body.

82. (New) The cap of claim 75, wherein said cap is composed of a biocompatible polymer.
83. (New) The cap of claim 82, wherein said polymer is biodegradable.
84. (New) The cap of claim 75, wherein said cap is composed of a porous material.
85. (New) The cap of claim 84, wherein said occlusion body defines an internally threaded tool engagement opening.
86. (New) The cap of claim 75, wherein said elongate anchor includes a lip projecting outwardly therefrom, said lip including a curved profile.
87. (New) A cap for blocking the opening of a hollow fusion device, comprising:
an occlusion body sized and shaped for blocking the opening, said occlusion body including at least one osteogenic aperture extending therethrough; and
an elongate anchor projecting from and extending transversely to said occlusion body, said anchor including a first end attached to said occlusion body and an opposite second end, said anchor having a length which extends axially from said occlusion body to the second end, wherein said second end engages the fusion device at a location axially spaced from said occlusion body.
88. (New) The cap of claim 87, wherein said occlusion body includes:
an inner surface and an opposite outer wall; and
a rim in communication with said outer wall and said inner surface, said rim defining an engaging surface for contacting the opening of the hollow fusion device.
89. (New) The cap of claim 88, wherein said first end of said elongate anchor is attached to said rim.

90. (New) The cap of claim 87, further comprising a flange projecting from a perimeter of said occlusion body.

91. (New) The cap of claim 87, further comprising a second elongate anchor projecting from said occlusion body in a direction parallel to the other elongate anchor.

92. (New) The cap of claim 91, wherein said elongate anchors are resiliently moveable relative to said occlusion body.

93. (New) The cap of claim 87, wherein said cap is composed of a biocompatible polymer.

94. (New) The cap of claim 93, wherein said polymer is biodegradable.

95. (New) The cap of claim 87, wherein said cap is composed of a porous material.

96. (New) The cap of claim 87, wherein said occlusion body defines an internally threaded tool engagement opening.

97. (New) The cap of claim 87, wherein said elongate anchor includes a lip projecting outwardly therefrom, said lip including a curved profile.

98. (New) A cap for blocking the opening of a hollow fusion device, comprising:
an occlusion body sized and shaped for blocking the opening, said occlusion body being composed of a porous material; and
an elongate anchor projecting from and extending transversely to said occlusion body, said anchor including a first end attached to said occlusion body and an opposite second end, said anchor having a length which extends axially from said occlusion body to the second end, wherein said second end engages the fusion device at a location axially spaced from said occlusion body.

99. (New) The cap of claim 98, wherein said occlusion body includes:
an outer wall and an inner surface opposite said outer wall; and
a rim in communication with said outer wall and said inner surface, said rim defining an engaging surface for contacting the opening of the hollow fusion device.
100. (New) The cap of claim 99, wherein said first end of said elongate anchor is attached to said rim.
101. (New) The cap of claim 98, further comprising a flange projecting outwardly from a perimeter of said occlusion body.
102. (New) The cap of claim 98, further comprising a second elongate anchor projecting from said occlusion body parallel to the other elongate anchor.
103. (New) The cap of claim 102, wherein said elongate anchors are resiliently moveable relative to said occlusion body.
104. (New) The cap of claim 104, wherein each of said elongate anchors includes a lip projecting outwardly therefrom, said lip including a curved profile.